

## MINIMUM SPECIFICATIONS FOR HEAVY DUTY ROLL OFF HOIST

	YES	NO
Type: Outside rail	—	—
Capacity: 60,000#	—	—
Hoist main frame: 4" x 8" x ½" A500 Grade C tubing. One piece construction with no splits or welds.	—	—
Hoist sub-frame: 3" x 2" x 3/16" A500 Grade C tubing. One piece construction with no splits or welds.	—	—
3" x 3/8" T1 wear strip on top of main frame	—	—
60" long rear skid plates-3/8" thick w/1/2" x 5" full plate gusset support.	—	—
Outside rollers 3 ¾" long x 4" diameter w/bronze bushings, grease fittings, and outside support brackets. Minimum (5) per side, (10) total	—	—
Automatic air-actuated, fold-up ICC bumper Note: Mechanical linkage type fold-up ICC bumpers that are prone to bending and mis-alignment are not acceptable.	—	—
ICC bumper shall be designed to be folded towards rear when necessary to allow for trailer towing.	—	—
Heavy duty tandem fenders to be 3/16" steel tread plate for maximum strength and durability. Smooth steel not acceptable.	—	—
Automatic gravity activated front container locks.	—	—
1" thick steel rear container hold-downs required.	—	—
10" diameter cable sheaves w/bronze bushings and grease fittings.	—	—
Dump angle to be minimum 52°.	—	—
Hydraulic Pump: 35 GPM @ 1500 RPM.	—	—
Hydraulic Tank: 50 gallon capacity w/sight gauge, 150 GPM rated return line filter assembly with replaceable cartridges, 40 PSI pressure bypass, and separate air breather filter.	—	—

	YES	NO
Operating Pressure: 1850 PSI maximum	_____	_____
Air shift PTO if truck has manual transmission (or) Hot shift PTO if truck has automatic transmission	_____	_____
Interchangeable hoist & winch cylinders: Single stage type 6" bore x 79" stroke x 4" hard chrome rods. Hoist models using non-interchangeable hoist and winch cylinders are not acceptable.	_____	_____
Winch cylinder rods to be protected from falling debris by 6" x 1/4" angled steel covers	_____	_____
Outside controls for hoist and tarper shall use integrated heavy duty (5) spool valve bank w/protective steel housing. Hoist models that do not integrate the tarper controls into the hoist control valve bank are not acceptable	_____	_____
Cable: 7/8" x 75' long; 6 x 37 IWRC; 79,600# rated breaking strength minimum	_____	_____
Cable end: 2" thick swivel-type cable hook on swaged steel connection	_____	_____
All rear lighting as required by ICC and Dot 108 to be LED type and flush mounted into rear bumper	_____	_____
All electrical wiring shall consist of a plug-n-play factory made harness to eliminate wire splicing and need for junction boxes.	_____	_____
Conspicuity type markings as required by DOT regulations.	_____	_____
Electrical back-up alarm to be self adjusting exterior type	_____	_____
Hoist up exterior audible alarm w/2" in-cab LED red indicator light	_____	_____
Inside air-actuated hoist and winch controls located in a powder-coated control console to right of driver's seat	_____	_____
A Pioneer RP4500 SARG auto tarper w/hydraulic adjustable gantry and tarp arms shall be provided w/all tarper controls integrated into the same valve bank as used by the outside hoist controls.	_____	_____
A 48" x 20" x 16" steel tool box that opens from the front is required. Tool boxes that open from the top are not acceptable because they cannot be opened with a container on-board the hoist frame	_____	_____

	YES	NO
To eliminate problems associated with leaking hydraulic hoses and fittings all lines to hoist/tarper control valves must be steel lines.	_____	_____
Hoist shall be primed and painted using a <u>baked-on</u> two-part epoxy paint for maximum durability. Air-dry paint processes are not acceptable.	_____	_____
To insure performance and reliability standards are met hoist and tarper shall be factory installed on truck chassis by the hoist manufacturer and tested prior to delivery. Huck bolts shall be used to secure hoist frame and components to the truck frame.	_____	_____
Warranty Requirements:		
Hoist frame: Lifetime warranty	_____	_____
Complete hoist: 1 year warranty	_____	_____
Hydraulic cylinders, pump, valves: 2 year warranty	_____	_____
Bidder shall provide a contact list of five (5) Tennessee based customers who are using the exact model hoist being proposed.	_____	_____